REMARKS

Claims 1-24 are currently active.

The Examiner has rejected Claims 1-24 as being anticipated by Fan. Applicants respectfully traverse this rejection.

Referring to Fan, there is disclosed an asynchronous transfer mode exchange system and priority control method.

In relevant part, Fan teaches the call reception control circuit 1 also performs the function of setting values defined by a ratio of the ABR class and UBR class to use the remaining bandwidth represented by the number of cells output to the output channel 3 per certain time. The remaining bandwidth is determined by subtracting the guaranteed bandwidths for the CBR class, rt-UBR class and nrt-UBR class from the whole bandwidth in the W counter Wabr and Wubr when at least one of the Wabr or Wubr has a value set to 0 and both the ABR class and the UBR class are suspended (the value of the W counter, either Wabr or Wubr, is 0 per best efforts transfer demand class buffers ABR and UBR are empty). See column 4, lines 14-29.

Fan teaches the cells stored in the best efforts transfer demand class buffers ABR and UBR for the ABR class and UBR class are output to the output channel 32 weighted rotational priority control. The weighted rotational priority operate by outputing cells at the respective buffers according to a predetermined ratio. For example, suppose that the weighted rotational priority control is executed between the ABR class and UBR class in the ratio of 2:1 cells output from the best efforts transfer demand class buffers ABR for the ABR class. All one cell is output from the best efforts transfer demand class per for UBR for the UBR class. In the above case, the ABR class has better delay characteristics than those of the UBR class. See column 5, lines 48-60.

In another embodiment, Fan teaches adding addition means 4 as the counters for the various classes including Sabr and Subr for the ABR class and UBR class, respectively. See column 6, lines 14-19. In this embodiment, Fan teaches the call reception control circuit 11 has a similar construction to that of the cell reception control circuit 1 of figure 1. The call reception control circuit 1 of figure 1 sets a value larger than the logically obtain guaranteed bandwidth in the N counter. On the contrary, call reception control circuit 11 sets the logically obtained guaranteed bandwidth N counters. The priority control processor 12 has the following functions: for outputing cells to the output channel 3 according to the priority level defined by each of the value of the N counters, the W counters of Wabr and Wubr, the S counters including Sabr and Subr, for subtracting the value 1 from the value of the N counters

and for subtracting the value 1 from the value of the W counter Wabr and Wubr not set to 0 in the class outputing the cell when the cell is output from the ABR class and UBR class for subtracting the value 1 from the value of the S counter Sabr and Subr not set to 0 and the class outputting the cell when the cell is output from the ABR class or UBR class having the value of the W counter Wabr and Wubr set to 0. See column 6, lines 23-52.
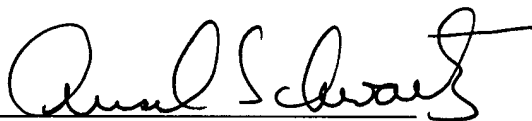
As is clear from the above description, the Wubr and Subr, that the Examiner refers to in figure 8 as the basis for two different classes of undefined traffic characteristics with weighted priorities and without weighted priorities, is respectfully misplaced. Wubr and Subr are used in regard to the key aspect of the teachings of Fan which is to provide for weighted rotational priority control of the different classes that are supported by the network taught by Fan. However, nowhere is there any teaching or suggestion that in the UBR class itself there are any differences. As explained above, the Sabr counter is used in another embodiment taught by Fan where there is present and addition means 4 to provide for more complex weighted rotational priority control to establish ratios of when different cells from different classes which are supported by Fan are serviced. This has nothing to do with having a different weighted priorities and without weighted priorities in the unknown traffic characteristics traffic.

Accordingly, Claims 1 and 24 are not anticipated by Fan, and are patentable is over Fan.

In view of the foregoing amendments and remarks, it is respectfully requested that the outstanding rejections and objections to this application be reconsidered and withdrawn, and Claims 1-24, now in this application be allowed.

Respectfully submitted,

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By _[signature]_

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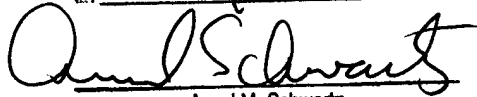Reg. No. 30,587
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